

APPENDIX E
Wipe & Air Sample
Laboratory Reports



Monday, October 16, 2017

Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Project ID: TOWN RECLAMATION YARD
Sample ID#s: BZ19369 - BZ19370

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis/Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 16, 2017

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information

Matrix: WIPE
Location Code: LOGICAL-FAIRFLD
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/11/17
10/11/17

Time

11:00
16:07

Laboratory Data

SDG ID: GBZ19369
Phoenix ID: BZ19369

Project ID: TOWN RECLAMATION YARD
Client ID: CTR LOADER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				10/11/17	X/I	SW3540C

Polychlorinated Biphenyls

PCB-1016	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1221	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1232	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1242	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1248	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1254	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1260	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1262	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1268	ND	1.0	ug	2	10/12/17	AW	SW8082A

QA/QC Surrogates

% DCBP	91	%	2	10/12/17	AW	30 - 150 %
% TCMX	66	%	2	10/12/17	AW	30 - 150 %

Project ID: TOWN RECLAMATION YARD
Client ID: CTR LOADER

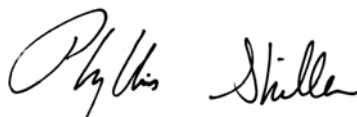
Phoenix I.D.: BZ19369

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

October 16, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 16, 2017

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information

Matrix: WIPE
Location Code: LOGICAL-FAIRFLD
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/11/17
10/11/17

Time

10:55
16:07

Laboratory Data

SDG ID: GBZ19369
Phoenix ID: BZ19370

Project ID: TOWN RECLAMATION YARD
Client ID: CTR EXCAVATION

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				10/11/17	X/I	SW3540C

Polychlorinated Biphenyls

PCB-1016	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1221	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1232	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1242	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1248	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1254	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1260	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1262	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1268	ND	1.0	ug	2	10/12/17	AW	SW8082A

QA/QC Surrogates

% DCBP	92	%	2	10/12/17	AW	30 - 150 %
% TCMX	68	%	2	10/12/17	AW	30 - 150 %

Project ID: TOWN RECLAMATION YARD
Client ID: CTR EXCAVATION

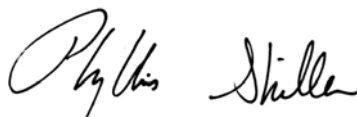
Phoenix I.D.: BZ19370

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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Phyllis Shiller, Laboratory Director

October 16, 2017

Reviewed and Released by: Ethan Lee, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

October 16, 2017

QA/QC Data

SDG I.D.: GBZ19369


Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 405171 (ug), QC Sample No: BZ18993 2X (BZ19369, BZ19370)										
<u>Polychlorinated Biphenyl</u>										
PCB-1016	ND	1.0	79	79	0.0				40 - 140	30
PCB-1221	ND	1.0							40 - 140	30
PCB-1232	ND	1.0							40 - 140	30
PCB-1242	ND	1.0							40 - 140	30
PCB-1248	ND	1.0							40 - 140	30
PCB-1254	ND	1.0							40 - 140	30
PCB-1260	ND	1.0	89	93	4.4				40 - 140	30
PCB-1262	ND	1.0							40 - 140	30
PCB-1268	ND	1.0							40 - 140	30
% DCBP (Surrogate Rec)	83	%	101	102	1.0				30 - 150	30
% TCMX (Surrogate Rec)	37	%	84	82	2.4				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference


Phyllis Shiller, Laboratory Director
October 16, 2017

Monday, October 16, 2017

Criteria: None

State: CT

Sample Criteria Exceedances Report

GBZ19369 - LOGICAL-FAIRFLD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Logical Environmental Solutions

Project Location: TOWN RECLAMATION YARD

Project Number:

Laboratory Sample ID(s): BZ19369, BZ19370

Sampling Date(s): 10/11/2017

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Monday, October 16, 2017

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

October 16, 2017

SDG I.D.: GBZ19369

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD6 10/12/17-1

Adam Werner, Chemist 10/12/17

BZ19369, BZ19370

The initial calibration (PC906AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC906BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

QC (Batch Specific):

Batch 405171 (BZ18993)

BZ19369, BZ19370

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Temperature Narration

The samples were received at 3.7C with cooling initiated.

(Note acceptance criteria is above freezing up to 6°C)



Thursday, June 29, 2017

Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Project ID: TOWN RECLAMATION YARD
Sample ID#s: BY41707 - BY41708

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 29, 2017

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information

Matrix: AIR
Location Code: LOGICAL-FAIRFLD
Rush Request: Standard
P.O.#:
Canister Id: UNKNOWN

Custody Information

Collected by: CK
Received by: SW
Analyzed by: see "By" below

Date

06/16/17
06/16/17

Time

13:45
14:52

Laboratory Data

SDG ID: GBY41707
Phoenix ID: BY41707

Project ID: TOWN RECLAMATION YARD
Client ID: BG-1 61243

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB for Puff samples	Completed				06/19/17	X/R	SW3540C

Polychlorinated Biphenyls

PCB-1016	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1221	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1232	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1242	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1248	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1254	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1260	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1262	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1268	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A

QA/QC Surrogates

% DCBP	79	%	1	06/21/17	AW	65 - 125 %
% TCMX	59	%	1	06/21/17	AW	65 - 125 %

3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.

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Phyllis Shiller, Laboratory Director

June 29, 2017

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 29, 2017

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information

Matrix: AIR
Location Code: LOGICAL-FAIRFLD
Rush Request: Standard
P.O.#:
Canister Id: UNKNOWN

Custody Information

Collected by: CK
Received by: SW
Analyzed by: see "By" below

Date

06/16/17
06/16/17

Time

13:45
14:52

Laboratory Data

SDG ID: GBY41707
Phoenix ID: BY41708

Project ID: TOWN RECLAMATION YARD
Client ID: DW-1 63474

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB for Puff samples	Completed				06/19/17	X/R	SW3540C

Polychlorinated Biphenyls

PCB-1016	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1221	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1232	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1242	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1248	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1254	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1260	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1262	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1268	ND	0.28	ug/m3	1	06/21/17	AW	EPA TO10A

QA/QC Surrogates

% DCBP	57	%	1	06/21/17	AW	65 - 125 %	3
% TCMX	42	%	1	06/21/17	AW	65 - 125 %	3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

June 29, 2017

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

June 29, 2017

QA/QC Data

SDG I.D.: GBY41707

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 390512 (ug/m3), QC Sample No: BY41707 (BY41707, BY41708)										
<u>Polychlorinated Biphenyls</u>										
PCB-1016	ND	0.10	76	79	3.9				60 - 120	20
PCB-1221	ND	0.10							60 - 120	20
PCB-1232	ND	0.10							60 - 120	20
PCB-1242	ND	0.10							60 - 120	20
PCB-1248	ND	0.10							60 - 120	20
PCB-1254	ND	0.10							60 - 120	20
PCB-1260	ND	0.10	75	87	14.8				60 - 120	20
PCB-1262	ND	0.10							60 - 120	20
PCB-1268	ND	0.10							60 - 120	20
% DCBP (Surrogate Rec)	79	%	82	83	1.2				65 - 125	20
% TCMX (Surrogate Rec)	63	%	74	69	7.0				65 - 125	20 s

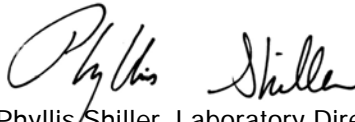
Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

s = This parameter is outside laboratory Blank Surrogate specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference


Phyllis Shiller, Laboratory Director
June 29, 2017

Thursday, June 29, 2017

Criteria: None
State: CT

Sample Criteria Exceedances Report
GBY41707 - LOGICAL-FAIRFLD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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Analysis Comments

June 29, 2017

SDG I.D.: GBY41707

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



Thursday, June 29, 2017

Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Project ID: TOWN RECLAMATION YARD
Sample ID#s: BY43217 - BY43218

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

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If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

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Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



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Analysis Report

June 29, 2017

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information

Matrix: AIR
Location Code: LOGICAL
Rush Request: Standard
P.O.#:
Canister Id: NA

Custody Information

Collected by: CK
Received by: SW
Analyzed by: see "By" below

Date

06/20/17
06/20/17

Time

12:00
14:49

Laboratory Data

SDG ID: GBY43217
Phoenix ID: BY43217

Project ID: TOWN RECLAMATION YARD
Client ID: BG-2 44488

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB for Puff samples	Completed				06/20/17	X/UU	SW3540C

Polychlorinated Biphenyls

PCB-1016	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1221	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1232	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1242	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1248	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1254	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1260	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1262	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1268	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A

QA/QC Surrogates

% DCBP	74	%	1	06/21/17	AW	65 - 125 %
% TCMX	57	%	1	06/21/17	AW	65 - 125 %

3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 29, 2017

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 29, 2017

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information

Matrix: AIR
Location Code: LOGICAL
Rush Request: Standard
P.O.#:
Canister Id: NA

Custody Information

Collected by: CK
Received by: SW
Analyzed by: see "By" below

Date

06/20/17
06/20/17

Time

12:00
14:49

Laboratory Data

SDG ID: GBY43217
Phoenix ID: BY43218

Project ID: TOWN RECLAMATION YARD
Client ID: DW-2 44488

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB for Puff samples	Completed				06/20/17	X/UU	SW3540C

Polychlorinated Biphenyls

PCB-1016	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1221	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1232	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1242	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1248	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1254	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1260	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1262	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A
PCB-1268	ND	0.33	ug/m3	1	06/21/17	AW	EPA TO10A

QA/QC Surrogates

% DCBP	92	%	1	06/21/17	AW	65 - 125 %
% TCMX	71	%	1	06/21/17	AW	65 - 125 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------


RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 29, 2017

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

June 29, 2017

QA/QC Data

SDG I.D.: GBY43217

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 390716 (ug/m3), QC Sample No: BY43217 (BY43217, BY43218)										
<u>Polychlorinated Biphenyls</u>										
PCB-1016	ND	0.10	43	76	55.5				60 - 120	20 I,r
PCB-1221	ND	0.10							60 - 120	20
PCB-1232	ND	0.10							60 - 120	20
PCB-1242	ND	0.10							60 - 120	20
PCB-1248	ND	0.10							60 - 120	20
PCB-1254	ND	0.10							60 - 120	20
PCB-1260	ND	0.10	57	76	28.6				60 - 120	20 I,r
PCB-1262	ND	0.10							60 - 120	20
PCB-1268	ND	0.10							60 - 120	20
% DCBP (Surrogate Rec)	84	%	62	86	32.4				65 - 125	20 I,r
% TCMX (Surrogate Rec)	56	%	30	57	62.1				65 - 125	20 I,r,s

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

s = This parameter is outside laboratory Blank Surrogate specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director
June 29, 2017

Thursday, June 29, 2017

Criteria: None

State: CT

Sample Criteria Exceedances Report

GBY43217 - LOGICAL

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

June 29, 2017

SDG I.D.: GBY43217

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

CHAIN OF CUSTODY RECORD

Data Delivery:

Fax #:

☒ Email: ck@logicalenvironmental.com

Project: Town Reclamation Yard Project #
Report to: Cindy Knight
Invoice to: DAS Contract - Town of Fairfield
Phone #: 860 402 7069 'see below'
Fax #:

Project P.O:

This section **MUST**
be completed with
Bottle Quantities.

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

Analysis Request

Soil VOA Vials	[]	Methanol	[]	H ₂ O	[]	oz	[]
GL Soil container	()	oz	()	HCl			
40 ml VOA Vial	[]	As is	[]	As is	[]	H ₂ SO ₄	[]
GL Amber 1000ml	[]	As is	[]	As is	[]	500ml	[]
PL As is	[]	250ml	[]	250ml	[]	500ml	[]
PL H ₂ SO ₄	[]	250ml	[]	250ml	[]	500ml	[]
PL HNO ₃	250ml						
PL NaOH	250ml						
Bacteria							
Bacteria	(within)						
Flow							
Sample							
Durkin							

Simple
Duration

<u>PHOENIX USE</u> <u>ONLY</u> SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
45376	BG-3 71163	Air	6/22/17	
45377	DW-1 38628	↓	↓	

Relinquished by:

Accepted by:

Date:

Time:

RI

CT

MA

Data Format

happy	happy
angel	creative

6/22/17	6:30 pm
6/23/17	1023

☐ Direct Exposure
(Residential)

☐ GW

☐ Other

☒ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☒ Residential DEC
☐ I/C DEC
☐ Other

☐ MCP Certification

☐ GW-1

☐ GW-2

☐ GW-3

☐ S-1

☐ S-2

☐ S-3

☐ MWRA eSMART

☐ Other

☐ Excel
☒ PDF
☐ GIS/Key
☐ EQUIS
☐ Other

Data Package

☐ Tier II Checklist
☐ Full Data Package*
☒ Phoenix Std Report
☐ Other

Comments, Special Requirements or Regulations:

Bill to: Town of Fairfield
725 Old Post Rd.
Fairfield CT 06828

Attn: Brian Carey
BCarey@fairhillct.org

Turnaround:

☐ 1 Day*

☐ 2 Days*

☐ 3 Days*

☒ Standard

☐ Other

*** SURCHARGE APPLIES**

State where samples were collected: CT

* SURCHARGE APPLIES

**Data Delivery:**

☐ Fax #: _____
☒ Email: cke@logical/environmental/.com

Project:	Town Reclamation Yard	Project
Report to:	Cindy Knight	
Invoice to:	DAS Contract - Town of Fairhill	
Phone #:	860 402 7069	
Fax #:		

Project P.O:

This section **MUST**
be completed with
Bottle Quantities.

Sampler's Signature: [Signature] Date: 6/23/17

Analysis Request

Analysis Request

Soil VOA Vials	() methanol	() H ₂ O	() oz
GL Soil container	() As is	() HCl	() H ₂ SO ₄
40 ml VOA Vial	() As is	() As is	() H ₂ SO ₄
GL Amber 1000ml	() As is	() As is	() H ₂ SO ₄
PL As is	() As is	() As is	() H ₂ SO ₄
PL H ₂ SO ₄	() As is	() As is	() H ₂ SO ₄
PL HNO ₃	() As is	() As is	() H ₂ SO ₄
PL NaOH	() As is	() As is	() H ₂ SO ₄
Back	() As is	() As is	() H ₂ SO ₄

PUF (with)io

Flow Sampling Duration

[illegible]

☐ Excel
☒ PDF
☐ GIS/Key
☐ EQUIS
☐ Other

Data Package

☐ Tier II Checklist
☐ Full Data Package*
☒ Phoenix Std Report
☐ Other

☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other

State where samples were collected: Ct

* SURCHARGE APPLIES

Subject: Problem with TO-10 Samples

From: Bobbi Aloisa (bobbi@phoenixlabs.com)

To: info@logicalenvironmental.com; bobbi@phoenixlabs.com;

Date: Tuesday, June 27, 2017 1:57 PM

Hi Cindy

I am sorry to be giving you bad news but the 4 samples on the attached 2 different chains need to be re-sampled for TO-10 PCB's. The samples didn't extract properly and therefore we can't produce results for the 4 samples on the attached chains. I do apologize for any inconvenience this may cause. Please let me know if you have any questions.

Thank you ,
Bobbi

Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 860-645-8728

Attachments

- winmail.dat (272.07KB)
- GBY45376-ChainofCustody-1.pdf (254.18KB)



Tuesday, July 04, 2017

Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Project ID: TOWN RECLAMATION YARD
Sample ID#s: BY48151 - BY48152

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 04, 2017

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information

Matrix: AIR
Location Code: LOGICAL-FAIRFLD
Rush Request: Standard
P.O.#:
Canister Id: PUF

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

06/26/17 14:00
06/26/17 17:00

Time

Laboratory Data

SDG ID: GBY48151
Phoenix ID: BY48151

Project ID: TOWN RECLAMATION YARD
Client ID: BG-5 63474

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB for Puff samples	Completed				06/27/17	X/R	SW3540C

Polychlorinated Biphenyls

PCB-1016	ND	0.33	ug/m3	1	06/28/17	AW	EPA TO10A
PCB-1221	ND	0.33	ug/m3	1	06/28/17	AW	EPA TO10A
PCB-1232	ND	0.33	ug/m3	1	06/28/17	AW	EPA TO10A
PCB-1242	ND	0.33	ug/m3	1	06/28/17	AW	EPA TO10A
PCB-1248	ND	0.33	ug/m3	1	06/28/17	AW	EPA TO10A
PCB-1254	ND	0.33	ug/m3	1	06/28/17	AW	EPA TO10A
PCB-1260	ND	0.33	ug/m3	1	06/28/17	AW	EPA TO10A
PCB-1262	ND	0.33	ug/m3	1	06/28/17	AW	EPA TO10A
PCB-1268	ND	0.33	ug/m3	1	06/28/17	AW	EPA TO10A

QA/QC Surrogates

% DCBP	93	%	1	06/28/17	AW	65 - 125 %
% TCMX	78	%	1	06/28/17	AW	65 - 125 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------


RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.

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Phyllis Shiller, Laboratory Director

July 04, 2017

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 04, 2017

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information

Matrix: AIR
Location Code: LOGICAL-FAIRFLD
Rush Request: Standard
P.O.#:
Canister Id: PUF

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

06/26/17
06/26/17

Time

14:00
17:00

Laboratory Data

SDG ID: GBY48151
Phoenix ID: BY48152

Project ID: TOWN RECLAMATION YARD
Client ID: DW-5 63474

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB for Puff samples	Completed				06/27/17	X/R	SW3540C

Polychlorinated Biphenyls

PCB-1016	ND	0.33	ug/m3	1	06/29/17	AW	EPA TO10A
PCB-1221	ND	0.33	ug/m3	1	06/29/17	AW	EPA TO10A
PCB-1232	ND	0.33	ug/m3	1	06/29/17	AW	EPA TO10A
PCB-1242	ND	0.33	ug/m3	1	06/29/17	AW	EPA TO10A
PCB-1248	ND	0.33	ug/m3	1	06/29/17	AW	EPA TO10A
PCB-1254	ND	0.33	ug/m3	1	06/29/17	AW	EPA TO10A
PCB-1260	ND	0.33	ug/m3	1	06/29/17	AW	EPA TO10A
PCB-1262	ND	0.33	ug/m3	1	06/29/17	AW	EPA TO10A
PCB-1268	ND	0.33	ug/m3	1	06/29/17	AW	EPA TO10A

QA/QC Surrogates

% DCBP	99	%	1	06/29/17	AW	65 - 125 %
% TCMX	78	%	1	06/29/17	AW	65 - 125 %

Project ID: TOWN RECLAMATION YARD
Client ID: DW-5 63474

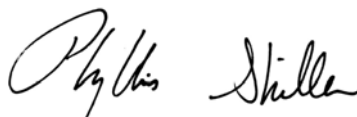
Phoenix I.D.: BY48152

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

July 04, 2017

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 04, 2017

QA/QC Data

SDG I.D.: GBY48151

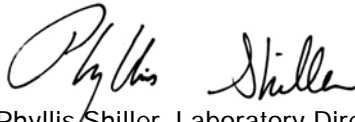
Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 391558 (ug/m3), QC Sample No: BY48151 (BY48151, BY48152)										
<u>Polychlorinated Biphenyls</u>										
PCB-1016	ND	0.33			99				60 - 120	20
PCB-1221	ND	0.33							60 - 120	20
PCB-1232	ND	0.33							60 - 120	20
PCB-1242	ND	0.33							60 - 120	20
PCB-1248	ND	0.33							60 - 120	20
PCB-1254	ND	0.33							60 - 120	20
PCB-1260	ND	0.33			84				60 - 120	20
PCB-1262	ND	0.33							60 - 120	20
PCB-1268	ND	0.33							60 - 120	20
% DCBP (Surrogate Rec)	91	%			84				65 - 125	20
% TCMX (Surrogate Rec)	88	%			74				65 - 125	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
LCS recovery was low, LCSD was reported as LCS

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference


Phyllis Shiller, Laboratory Director
July 04, 2017

Tuesday, July 04, 2017

Criteria: None

State: CT

Sample Criteria Exceedances Report

GBY48151 - LOGICAL-FAIRFLD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

July 04, 2017

SDG I.D.: GBY48151

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Cooler: Yes ☒ No ☐
Coolant: IPK ☐ ICE ☐

Temp: 24 C Pg 1 of 1

Data Delivery:

☐ Fax #

Email: ck@logiceenvironmental.com

Project: Town Redevelopment
Report to: C. Knight
Invoice to: Town of Fairfield
Phone #: 8404027069
Fax #:

Customer: LES
Address: 354 S. River Rd.
Tolland CT 06084

This section MUST
be completed with
Bottle Quantities.

Client Sample - Information - Identification

Date: 6-26-17

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
48151	BG-5 63474	Air	6/26/17	2:00
48152	DW-5 63474	↓	↓	2:00

Analysis
Request

TO-10 P.A.

Soil VOA Vials (Methanol) [] H2O
GL Soil container () oz
GL Amber 1000ml [] As is [] HCL
PL H2SO4 [] 250ml [] 1500ml [] 1000ml
PL HNO3 [] 250ml [] 1500ml [] 1000ml
PL NaOH [] 250ml [] 1500ml [] 1000ml
Bacteria (with/wo) Flow
Sample Durham

Relinquished by:

Accepted by:

Quaradone

Date:

Time:

6/26/17 1700

RI

CT

MA

Data Format

☐ Excel
☒ PDF
☐ GIS/Key
☐ EQUIS
☐ Other
Data Package
☐ Tier II Checklist
☐ Full Data Package*
☒ Phoenix Std Report
☐ Other

☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

☐ Direct Exposure
(Residential)
☐ GW
☐ Other

Comments, Special Requirements or Regulations:

Bill to: Town of Fairfield; 725 Old Post Rd. Fairfield CT
Attn: Brian Carey
BCarey@fairfieldct.org 06824

Turnaround:
☐ 1 Day
☐ 2 Days
☐ 3 Days
☒ Standard
☐ Other

* SURCHARGE APPLIES

State where samples were collected: CT

* SURCHARGE APPLIES



Monday, October 16, 2017

Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Project ID: TOWN RECLAMATION YARD
Sample ID#s: BZ19369 - BZ19370

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 16, 2017

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information

Matrix: WIPE
Location Code: LOGICAL-FAIRFLD
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/11/17
10/11/17

Time

11:00
16:07

Laboratory Data

SDG ID: GBZ19369
Phoenix ID: BZ19369

Project ID: TOWN RECLAMATION YARD
Client ID: CTR LOADER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				10/11/17	X/I	SW3540C

Polychlorinated Biphenyls

PCB-1016	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1221	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1232	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1242	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1248	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1254	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1260	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1262	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1268	ND	1.0	ug	2	10/12/17	AW	SW8082A

QA/QC Surrogates

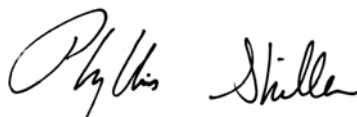
% DCBP	91	%	2	10/12/17	AW	30 - 150 %
% TCMX	66	%	2	10/12/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

October 16, 2017

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 16, 2017

FOR: Attn: Ms. Cindy Knight
Logical Environmental Solutions
354 South River Road
Tolland CT 06084

Sample Information

Matrix: WIPE
Location Code: LOGICAL-FAIRFLD
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

10/11/17
10/11/17

Time

10:55
16:07

Laboratory Data

SDG ID: GBZ19369
Phoenix ID: BZ19370

Project ID: TOWN RECLAMATION YARD
Client ID: CTR EXCAVATION

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				10/11/17	X/I	SW3540C

Polychlorinated Biphenyls

PCB-1016	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1221	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1232	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1242	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1248	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1254	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1260	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1262	ND	1.0	ug	2	10/12/17	AW	SW8082A
PCB-1268	ND	1.0	ug	2	10/12/17	AW	SW8082A

QA/QC Surrogates

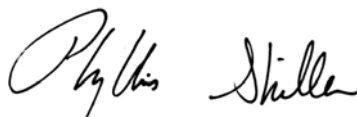
% DCBP	92	%	2	10/12/17	AW	30 - 150 %
% TCMX	68	%	2	10/12/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

October 16, 2017

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

October 16, 2017

QA/QC Data

SDG I.D.: GBZ19369


Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 405171 (ug), QC Sample No: BZ18993 2X (BZ19369, BZ19370)										
<u>Polychlorinated Biphenyl</u>										
PCB-1016	ND	1.0	79	79	0.0				40 - 140	30
PCB-1221	ND	1.0							40 - 140	30
PCB-1232	ND	1.0							40 - 140	30
PCB-1242	ND	1.0							40 - 140	30
PCB-1248	ND	1.0							40 - 140	30
PCB-1254	ND	1.0							40 - 140	30
PCB-1260	ND	1.0	89	93	4.4				40 - 140	30
PCB-1262	ND	1.0							40 - 140	30
PCB-1268	ND	1.0							40 - 140	30
% DCBP (Surrogate Rec)	83	%	101	102	1.0				30 - 150	30
% TCMX (Surrogate Rec)	37	%	84	82	2.4				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference


Phyllis Shiller, Laboratory Director
October 16, 2017

Monday, October 16, 2017

Criteria: None

State: CT

Sample Criteria Exceedances Report

GBZ19369 - LOGICAL-FAIRFLD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Logical Environmental Solutions

Project Location: TOWN RECLAMATION YARD

Project Number:

Laboratory Sample ID(s): BZ19369, BZ19370

Sampling Date(s): 10/11/2017

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Monday, October 16, 2017

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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RCP Certification Report

October 16, 2017

SDG I.D.: GBZ19369

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD6 10/12/17-1

Adam Werner, Chemist 10/12/17

BZ19369, BZ19370

The initial calibration (PC906AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC906BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

QC (Batch Specific):

Batch 405171 (BZ18993)

BZ19369, BZ19370

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Temperature Narration

The samples were received at 3.7C with cooling initiated.

(Note acceptance criteria is above freezing up to 6°C)

